

C1
Sub
D/
cont.
binding activity than proinsulin and less insulin receptor binding activity than insulin;

B chain - X - A chain (I)

wherein:

B and A chains are the human insulin chains, respectively;

and

X is a joining peptide comprising the following sequence:

Gly-Gly-Gly-Pro-Gly-Lys-Arg (SEQ ID NO:1).

C2
28. (Amended) A polynucleotide comprising the nucleic acid sequence of SEQ ID NO:3 that encodes the single-chain insulin analog according to claim 1.

Attached hereto is a marked up version showing the changes made to the application by this Reply.